

PROBLEM PAGE

Primary (grades 1-3)

Little Ellen, the one with the big appetite, ate half a watermelon, carefully removing 173 seeds, daintily spitting out 59 (12 on her creepy-crawling brother), accidentally swallowing 46, chomping up 15, and leaving 36 in a small chunk of watermelon which her brother ate while Ellen went to get paper towels to clean up her mess. How many seeds were in Ellen's half-melon? (You may have to use a calculator.)

Intermediate (grades 4-6)

If a seed weighs a half-gram (see above problem) and the other half-watermelon had 147 more seeds than Ellen's had, then how much did all the seeds in this watermelon weigh? What percent of her weight (21 kg.) did she consume?

Junior High (grades 7-9)

Ellen's watermelon (see above problems) cost \$2.59 including the rind which weighed half a kilogram. Those seeds were 10% as heavy as the pulp, so how much per gram did the edible part of this watermelon cost?

Senior High (grades 10-12)

Ellen can eat a melon-and-a-half (see above problems) in an hour-and-a-half (not counting her brother's theft) if it weren't for those seeds which slow her down one second each. How much would it cost to feed watermelon to Ellen in July if she ate eight hours a day?

Students may submit solutions to the above problems. Give name, grade, school, and school address. Names and solutions may be published if space is available.